

SUGGESTED FOUR-YEAR SCHEDULE: 2018-19

— B.S. in Chemistry - Secondary Certification —



COLLEGE OF
**Science and
Engineering**
A&M-COMMERCE

First Year Fall Semester

*ENG 1301, College Reading & Writing	3
*CHEM 1311, Gen & Quant Chemistry I	3
CHEM 1111, Gen & Quant Chemistry I Lab	1
CHEM 101, Gen & Quant Chemistry I Tutorial	1
*MATH 2413, Calculus I	4
PHYS 2425, University Physics I	4
Total Hours	16

First Year Spring Semester

*ENG 1302, Written Argument/Research	3
*CHEM 1312, Gen & Quant Chemistry II	3
CHEM 1112, Gen & Quant Chemistry II Lab	1
CHEM 102, Gen & Quant Chemistry II Tutorial	1
*Component Area (Signature Course)	3
PHYS 2426, University Physics II	4
Total Hours	15

Second Year Fall Semester

*HIST 1301, US History to 1877	3
*Language, Philosophy, & Culture	3
CHEM 2323, Organic Chemistry I	3
CHEM 201, Organic Chemistry I Tutorial	1
CHEM 2123, Organic Chemistry I Lab	1
BSC 1406 & 1406L, Introductory Biology I	4
Total Hours	15

Second Year Spring Semester

*HIST 1302, US History from 1865	3
*Creative Arts	3
PHYS 321, Modern Physics or PHYS 333, Wave Motion, Acoustics & Optics	3
PSY 300, Lrng Processes & Develop	3
BSC 1407 & 1407L, Introductory Biology II	4
CHEM 418, Undergraduate Research	1
Total Hours	17

Third Year Fall Semester

CHEM 418, Undergraduate Research	1
CHEM 341, Advanced Chemistry I	3
CHEM 421, Chemistry Lab Design I	4
BSC 303 & 303L, Cell Biology	4
SED 330, Roles & Responsibilities	3
Total Hours	15

Third Year Spring Semester

*PSCI 2301, Princ of US & TX Govt	3
CHEM 342, Advanced Chemistry II	3
CHEM 422, Chemistry Lab Design II	4
PHYS 335, Advanced Physics Lab or BSC 304, GLB/Genetics	3
SED 331, Instructional Design	3
Total Hours	16

Fourth Year Fall Semester

*PSCI 2302, US/TX Govt; Insts & Pols	3
*Social & Behavioral Science Elective	3
CHEM 401, GLB/Chemical Sci & Profession	1
CHEM 418, Undergraduate Research	1
SED 332, Project Based Learning in STEM	3
RDG 380, Compr & Vocab in MLED/HS	3
Total Hours	14

Fourth Year Spring Semester

Student Teaching	
SED 400, Pedagogy & Classrm Manage	3
SED 401, Tech Infused Curriculum & Assessm	3
SED 404, Secondary Teaching Practicum	3
SED 405, Secondary Residency in Teaching	6
Total Hours	15

Degree Total **123**

* This course should be used to satisfy the Core Curriculum Requirements

The suggested plan shown is subject to change. Please check the current Undergraduate Catalog (catalog.tamuc.edu) for required courses in your program.